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(54) Title: STRAIN OF RHODOCOCCUS RHODOCHROUS NCIMB 41164 AND ITS USE AS PRODUCER OF NITRILE HY-  
DRATASE

(57) Abstract: A microorganism which is Rhodococcus rhodochrous strain NCIMB 41164 or a mutant thereof. A method of cul-  
turing the microorganism in a culture medium comprising urea or urea derivative is claimed. A nitrite hydratase obtainable from  
the microorganism is claimed. Also claimed is a process of preparing an amide from the corresponding nitrite wherein the nitrite  
is subjected to a hydration reaction in an aqueous medium in the presence of a biocatalyst selected from the group consisting of  
a microorganism which is a Rhodococcus rhodochrous strain NUMB 41164, a mutant thereof and a nitrite hydratase obtainable  
from Rhodococcus rhodochrous strain NCIMB 41164 or a mutant thereof. Also claimed is a method of storing the Rhodococcus  
rhodochrous NUMB 41164.

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